

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/011461

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C2/40 C07C5/05

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>P ROFFIA ET AL: "Catalysis by palladium salts IV selective hydrogenation with formic acid in the palladium catalysed dimerisation of 1,3-butadiene; synthesis of 1,7-octadiene"</p> <p>JOURNAL OF ORGANOMETALLIC CHEMISTRY., vol. 55, 1973, pages 405-407, XP002279516</p> <p>ELSEVIER-SEQUOIA S.A. LAUSANNE., CH</p> <p>ISSN: 0022-328X</p> <p>the whole document</p> <p style="text-align: center;">----- -/-</p>	1-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

1 February 2005

Date of mailing of the international search report

10/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	M F SLOAN ET AL: "Soluble catalysts for the hydrogenation of olefins" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY., vol. 85, no. 24, 1963, pages 4014-4018, XP002279518 AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC., US ISSN: 0002-7863 example 2; table 1	1,16-21
A	WO 03/031378 A (MASCHMEYER DIETRICH ;OXENO OLEFINCHEMIE GMBH (DE); SANTIAGO FERNAN) 17 April 2003 (2003-04-17) cited in the application page 3, line 19 - line 24 page 6, line 17 - line 21 examples 1-4	1-21
A	US 4 229 605 A (NOZAKI KENZIE) 21 October 1980 (1980-10-21) column 2, line 44 - line 68 table 1	1-15
A	EP 0 704 417 A (KURARAY CO) 3 April 1996 (1996-04-03) cited in the application example 1	1-15
A	EP 0 008 139 A (SHELL INT RESEARCH) 20 February 1980 (1980-02-20) table II claim 1	1-15
A	US 4 243 829 A (HANES RONALD ET AL) 6 January 1981 (1981-01-06) examples 1,5	1-15

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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			WO	03031378 A1	17-04-2003
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